

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) A display element comprising a first electrode, a luminescent layer, a second electrode, and a transparent substrate,
said first electrode comprising a metal layer and a corrosion-resistant charge injection accelerating layer,
~~said corrosion-resistant charge injection accelerating layer having been formed by subjecting a surface layer in said metal layer to plasma treatment using an oxygen atom-containing gas,~~
wherein said display element is produced by a process comprising the steps of:
forming the metal layer on a substrate;
performing patterning on a top of the metal layer;
subjecting a surface of the metal layer to plasma treatment using an oxygen atom-containing gas to convert the surface of the metal layer to the corrosion-resistant charge injection accelerating layer;
forming the luminescent layer on the corrosion-resistant charge injection accelerating layer; and
forming the second electrode on the luminescent layer.

2. (original) The display element according to claim 1, wherein said metal layer is formed of a metal selected from the group consisting of chromium (Cr), nickel (Ni), tungsten (W), manganese (Mn), indium (In), tin (Sn), zinc (Zn), molybdenum (Mo), vanadium (V), titanium (Ti), tantalum (Ta), niobium (Nb), and a mixture thereof.

3. (original) The display element according to claim 1, wherein said metal layer comprises a laminate of one or more alloys and one or more metals.

4. (original) The display element according to claim 1, wherein said first electrode reflects not more than 70% of light in the visible region incident through the second electrode side.

5. (original) The display element according to claim 1, wherein said corrosion-resistant charge injection accelerating layer has a lower resistivity than the luminescent layer.

6. (original) The display element according to any one of claims 1 to 5, which is used as an electroluminescent element.

7. (withdrawn) A process for producing a display element comprising the steps of:

forming a metal layer on a substrate;

performing patterning on the top of the metal layer;

subjecting the surface of the metal layer to plasma treatment using an oxygen atom-containing gas to convert the surface of the metal layer to a corrosion-resistant charge injection accelerating layer;

forming a luminescent layer on the corrosion-resistant charge injection accelerating layer; and

forming a second electrode on the luminescent layer.

8. (withdrawn) The process according to claim 7, wherein, after the formation of the corrosion-resistant charge injection accelerating layer, the luminescent layer is formed on the corrosion-resistant charge injection accelerating layer without cleaning the substrate.

9. (withdrawn) The process according to claim 7, wherein the formation of the luminescent layer on the corrosion-resistant charge injection accelerating layer is carried out under a degree of vacuum of not more than 1×10^{-2} Pa.

10. (withdrawn) The process according to claim 7, which further comprises the step of, after the formation of the corrosion-resistant charge injection accelerating layer, coating a liquid composition comprised of an electrically conductive polymer doped with an inorganic acid or an organic acid or a liquid composition comprising said electrically conductive polymer onto the corrosion-resistant charge injection accelerating layer.

11. (withdrawn) The process according to claim 7, wherein, in forming the corrosion-resistant charge injection accelerating layer, the plasma treatment is regulated to regulate the thickness of the corrosion-resistant charge injection accelerating layer.

12. (cancelled)

13. (new) The display element according to Claim 1, wherein the luminescent layer is formed on the corrosion-resistant charge injection accelerating layer without cleaning the substrate, after the formation of the corrosion-resistant charge injection accelerating layer.

14. (new) The display element according to Claim 1, wherein the formation of the luminescent layer on the corrosion-resistant charge injection accelerating layer is carried out under a degree of vacuum of not more than 1×10^{-2} Pa.

15. (new) The display element according to Claim 1, wherein said display element is produced by the process further comprising the step of;

coating a liquid composition comprised of an electrically conductive polymer doped with an inorganic acid or an organic acid or a liquid composition comprising said electrically conductive polymer onto the corrosion-resistant charge injection accelerating layer, after the formation of the corrosion-resistant charge injection accelerating layer.

16. (new) The display element according to Claim 1, wherein in forming the corrosion-resistant charge injection accelerating layer, the plasma treatment is controlled to regulate the thickness of the corrosion-resistant charge injection accelerating layer.